

I CLAIM:

1. A method for making a foam sheet having ventilation holes, comprising the steps of:

5 (a) preparing first and second molds, each of which includes lower and upper mold parts separably closed to each other so as to define first and second mold cavities for said first and second molds, respectively, and providing said second mold with a plurality of pins extending into said second mold cavity, said second
10 mold cavity of said second mold being larger than said first mold cavity of said first mold;

(b) placing a foamable blank into said first mold cavity of said first mold;

(c) foaming said blank in said first mold cavity;

15 (d) placing said blank foamed in step (c) into said second mold cavity, and piercing said blank through use of said pins; and

(e) foaming said blank to form a foam product within said second mold cavity while being pierced by said
20 pins.

2. The method as claimed in Claim 1, further comprising a step of removing said blank foamed in step (c) from said first mold cavity and permitting said blank to expand continuously outside said first mold cavity
25 prior to step (d).

3. The method as claimed in Claim 1, wherein said blank includes first and second foaming agents, said first

foaming agent having a first foaming temperature, said second foaming agent having a second foaming temperature higher than said first foaming temperature of said first foaming agent.

5 4. The method as claimed in Claim 3, wherein said first foaming agent is reactive in said first mold cavity of said first mold, said second foaming agent being reactive in said second mold cavity of said second mold.

10 5. The method as claimed in Claim 1, wherein said foamable blank includes a foaming agent.

6. The method as claimed in Claim 5, wherein said foaming agent undergoes a foaming reaction initiated in said first mold cavity of said first mold, and finished in said second mold cavity of said second mold.

15 7. The method as claimed in Claim 1, further comprising a step of cooling said foam product within said second mold.

20 8. The method as claimed in Claim 7, further comprising a step of slicing and dividing said foam product after said step of cooling.

9. A method for making a foam sheet having ventilation holes, comprising the steps of:

25 (a) preparing a mold including lower and upper mold parts separably closed to each other so as to define a mold cavity, and providing said mold with a plurality of pins extending into said mold cavity;

(b) placing a foamable blank into said mold cavity

of said mold, and piercing said blank through the use of said pins; and

(c) foaming said blank to form a foam product in said mold cavity of said mold while piercing said blank.

5 10. The method as claimed in Claim 9, further comprising a step of cooling said foam product in said mold cavity of said mold after step (c).

11. The method as claimed in Claim 10, further comprising a step of removing said foam product from
10 said mold cavity of said mold.

12. The method as claimed in Claim 11, further comprising a step of slicing and dividing said foam product.